# Priya Ravi

Full-Stack Software Engineer with 7+ years of specialized expertise in frontend development, React ecosystems, and Node.js backend development

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## Experience

### Senior Software Engineer | Course Hero, Redwood City | Feb 2021 – Present
- Led frontend architecture for an AI-powered educational platform using React, Next.js, and modern React patterns (hooks, context, suspense), achieving 75% teacher satisfaction
- Built scalable frontend components with TypeScript and React Hook Form, creating an efficient content review system that saved $1M annually
- Implemented advanced UI optimizations including code splitting, lazy loading, and modern caching strategies, improving page speed score from 6 to 39
- Developed responsive and accessible AI-driven educational tools using Next.js, React, and Tailwind CSS, significantly boosting user engagement
- Integrated OpenAI APIs with frontend applications, creating interactive learning experiences like flashcards and quiz generators
- Built secure user interfaces with SMS verification integration, preventing fraud and saving $3M annually

### Software Engineer | Apple Inc., Sunnyvale (Contract) | June 2020 – Feb 2021
- Architected and developed enterprise-grade applications using Vue 3, Composition API, and TypeScript
- Created a reusable component library with Storybook, improving team development velocity by 40%
- Implemented state management solutions using Vuex and Vue composition API
- Developed responsive layouts and animations using SCSS and Vue transitions

### Software Engineer | Philips, Pittsburgh | May 2017 - Jan 2020
- Spearheaded frontend development for Care Orchestrator using React and D3.js for complex medical data visualizations
- Built RESTful APIs using Node.js and Express.js to support frontend data requirements
- Implemented real-time data updates using WebSocket connections and Redux state management
- Optimized frontend performance through efficient rendering techniques and webpack configuration
- Mentored junior developers in frontend best practices and component architecture.

### Software Engineering Intern | Philips, Pittsburgh | May 2016 – Dec 2016
- Developed interactive UI components using JavaScript and D3.js
- Collaborated on frontend feature development in an agile environment

## Education & Certifications
- [Full Stack Web Development](#) - University of California, Berkeley, CA
- **Master of Science in Engineering** - University of Pittsburgh, Pittsburgh, PA
- **Bachelor of Science in Engineering** - Carleton University, Ottawa, ON
- **Mastering React -** [Code with Mosh](#)
- **The Complete Node.js -** [Code with Mosh](#)

## Technical Skills

**Frontend Development**:
React.js, Vue.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3/SCSS UI.

**Frameworks & Libraries**:
Material-UI, Tailwind CSS, Styled-Components, Bootstrap

**State Management:**
Redux, Vuex, React Context

**Backend Development:**
Node.js, Express.js, RESTful APIs, GraphQL

**Databases:**
MongoDB, MySQL

**Testing & Quality**:
Jest, React Testing Library, Cypress, Unit Testing

**Data Visualization**:
D3.js, Chart.js

**Build Tools:**
Webpack, Vite, npm, Yarn

**Version Control:**
Git, GitHub

**CI/CD & Cloud:**
Jenkins, GitHub Actions, AWS Development

**Tools:**
VS Code, Chrome DevTools, Lighthouse

**Performance Optimization:**
Code splitting, Lazy loading, Caching strategies

**Development Practices**:
Agile methodologies, Code review, Component-driven development